F18.

Authentication Data based on Token Key and PIN Client generates Authentication Data based on Token Key and PIN Client transmits to the Server Encrypted Data Entry and Server -Server verifies authentication data and confirms authentication Encryption
Client generates unique Server-side key component,
Generates unique Encryption key using that component, Token Key – the same for all tokens for a given User; _Side key component _ _ _ _ Client Encrypts the data using that Authentication Token Key and PIN Different for different Users encryption Key,

Server – side Key Component (unique for each Data Entry)

Decryption

Count retrieves from the Server-side key component and encrypted Data,
Client re-creates the Encryption Key for the Data Entry;

Client decrypts the Data Entry

Unique Data Entry Encryption Key

Generate

Encrypted Data Entry

Fig 2.

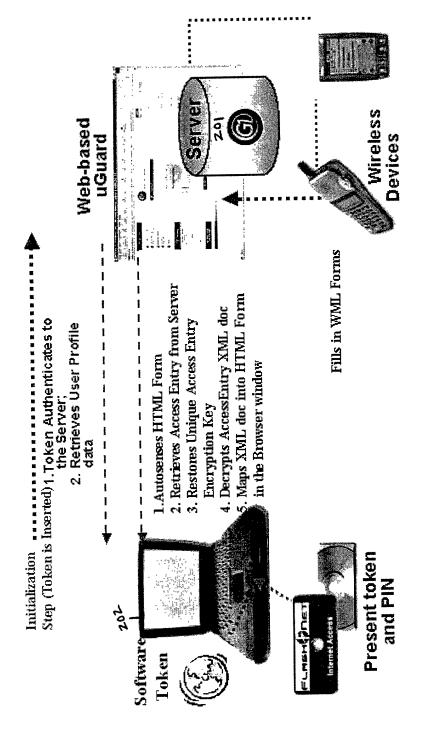


Fig. 3

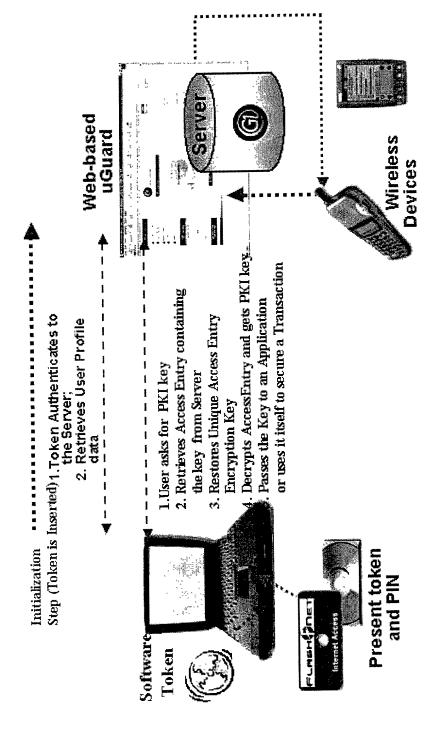
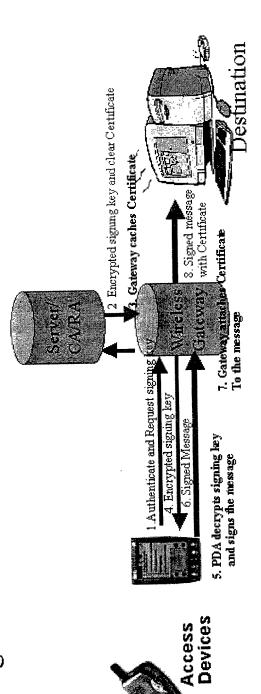


Fig.4.



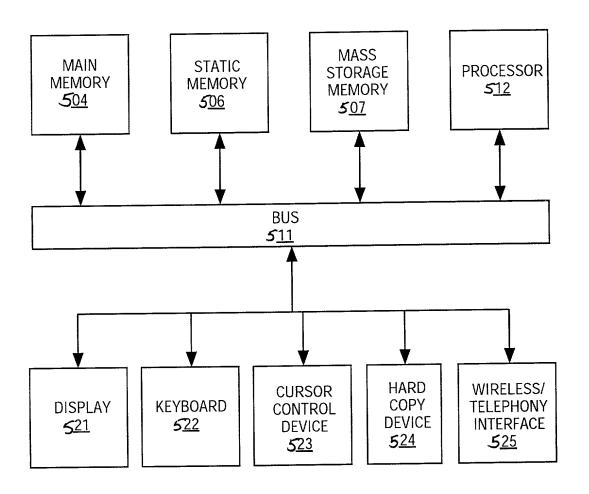


FIG. 5